

LIST OF SUCCESSFUL FY 2006 WETLAND PROGRAM DEVELOPMENT GRANT PROPOSALS

TITLE

CONTACT

Development of HGM Mapping in the St. Francis Wetland Planning Area
Arkansas Natural Resource Commission

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Development of Rapid Checklist Assessment based on HGM
Arkansas Natural Resource Commission

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Development of Geomorphology Mapping in the Ouachita Watershed
Arkansas Natural Resource Commission

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Hydrogeomorphic Modeling and Assessment
New Mexico Environment Department

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New Mexico Wetlands Riparian Corridors
New Mexico Environment Department

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Riverside Recreation Area Wetland Restoration Project
New Mexico Environment Department

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Restoring Wetlands and Wet Meadows
New Mexico Environment Department

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Partnership for Wetland Protection and Planning
Oklahoma Office of the Secretary of the Environment

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Current Status and Function of Playa Wetlands
Texas Tech University

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Central Texas Stream Team
Texas Agriculture Experiment Station

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Pueblo of Santa Clara Wetland Restoration Project
Pueblo of Santa Clara

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DESCRIPTIONS

Development of HGM Mapping in the St. Francis Wetland Planning Area

The purpose of this project is extend ongoing mapping efforts and help in the planning and management of wetlands in the St. Francis area.

This project also proposes to develop a detailed HGM classification for the St. Francis watershed, and mapping criteria.

Development of Rapid Checklist Assessment based on HGM

This proposal seeks to develop a rapid checklist-style assessment procedure based on HGM classification and existing reference data and the potential to improve Wetland Assessment and Monitoring. The management of private green-tree reservoirs and potentially compensatory mitigation, through its use in the regulatory program.

Development of Geomorphology Mapping in the Ouachita Watershed

The purpose of this project is to create a detailed geomorphic map of the multiple Pleistocene Terraces and Holocene environments in the Coastal Plain of the Ouachita River Watershed in Arkansas. This map would allow more-accurate application of the published Coastal Plain HGM Guidebook, since wetland subclasses are often correlated with specific terraces, and would allow for future HGM mapping consistent with that underway in the Delta.

Hydrogeomorphic Modeling and Assessment

This three year phase 1 project begins development and implementation of the HGM modeling assessment for New Mexico Wetlands.

New Mexico Wetlands Riparian Corridors

This is phase two of the New Mexico Wetlands Action Plan (WAP) which will draft Wetlands Program Element into the State's Water Quality Management Plan, continued facilitation and technical expertise to watershed groups in New Mexico and from a Playa Lakes Assembly for local involvement and wetland protection.

Riverside Recreation Area Wetland Restoration Project

This is a demonstrative wetlands restoration to mimic historic wetland conditions on 30 acres adjacent to the Lower Rio Grande employing the innovative method of using ground water to create a flow-through wetland on the historic floodplain; removing invasive, exotic species, replanting native wetland vegetation and mimicking the natural hydrograph wet wetland vegetation during the growing season.

Restoring Wetlands and Wet Meadows

The project include designing and implementing a demonstrations wetland restoration design for slope wetlands; a riparian wetland design for San Antonio Creek; and a head cut control design for Alamo Canyon bog birch habitat. The overall project outcome in this project is to increase wetland acreage by 30 percent.

Partnership for Wetland Protection and Planning

The project goal is to demonstrate low impact development techniques to maximize wetland area and decrease flood impacts to communities; demonstrate environmentally friendly stream stabilization techniques; and include wetlands in watershed planning to protect for future impacts to wetlands, while creating partnerships that are essential for sustained wetland protection efforts, ultimately resulting in a healthier biological community associated with the wetland and stream to attain no net loss of wetland acreage and functions.

Current Status and Function of Playa Wetlands

The 25,000 playas in the Southern Great Plains are being greatly altered and lost through sedimentation and other impacts. This project will assess the extent to which eroded soils have caused complete wetland loss as well as impairment of wetland function in the remaining playas, and effects of conservation buffers on sedimentation and hydrology.

Central Texas Stream Team

The Blackland Research and Extension Center (BREC) proposes the establishment of a voluntary, interdisciplinary Central Texas Stream Team (CTST) that will promote strategies and solutions for the complex problems facing Central Texas streams. The BREC will lead and administrate the project; coordinating and managing meetings, organizing technical workshops, providing educational materials, and serve as the liaison between CTST and local government officials. The CTST will educate local citizens and governments on the importance of stream preservation, ecological-oriented development, and environment stewardship.

Pueblo of Santa Clara Wetland Restoration Project

Restoration of a wetland due to wildfire devastation of wetland habitat, resultant eroded land, atmospheric deposition of ash, and fire suppression residues.